

FIG.1

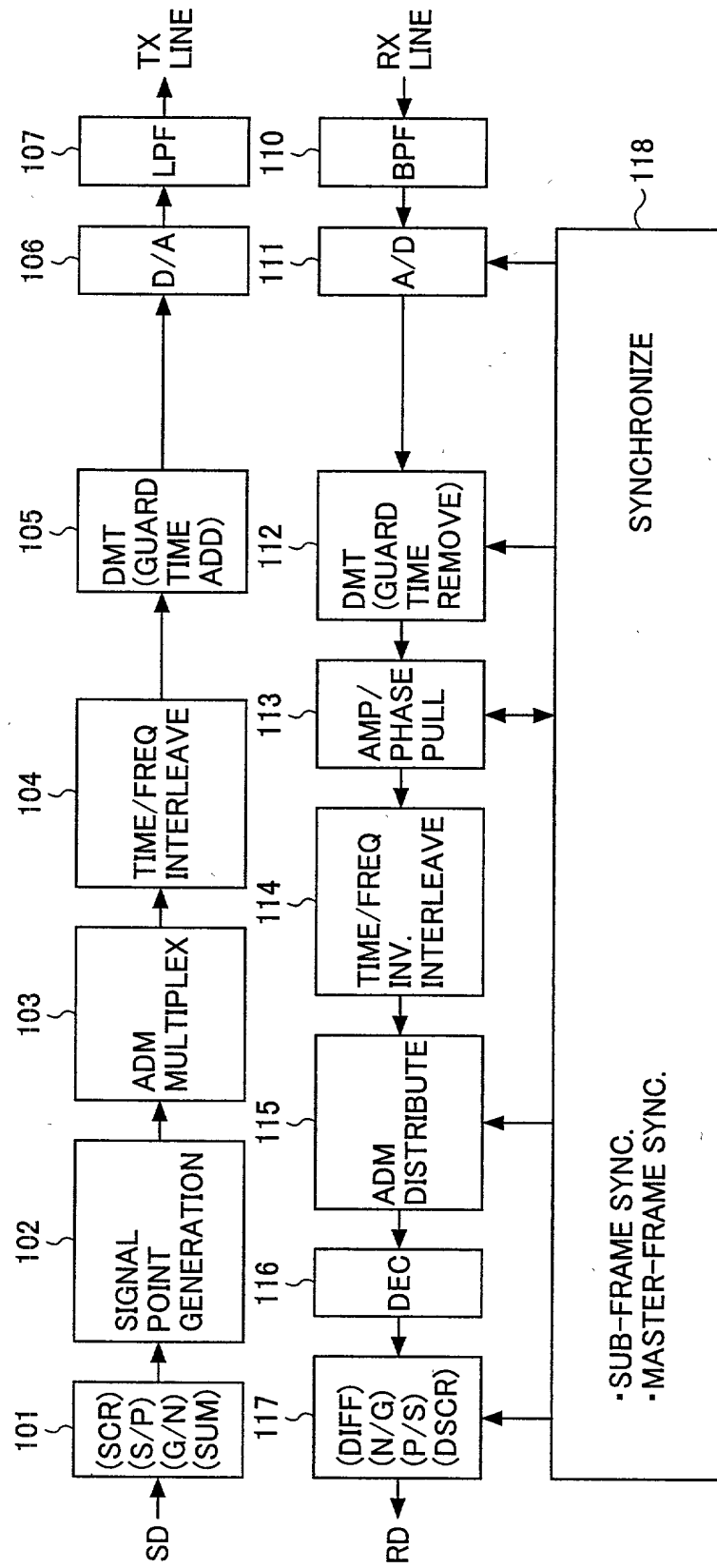


FIG.2A

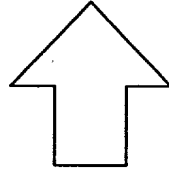
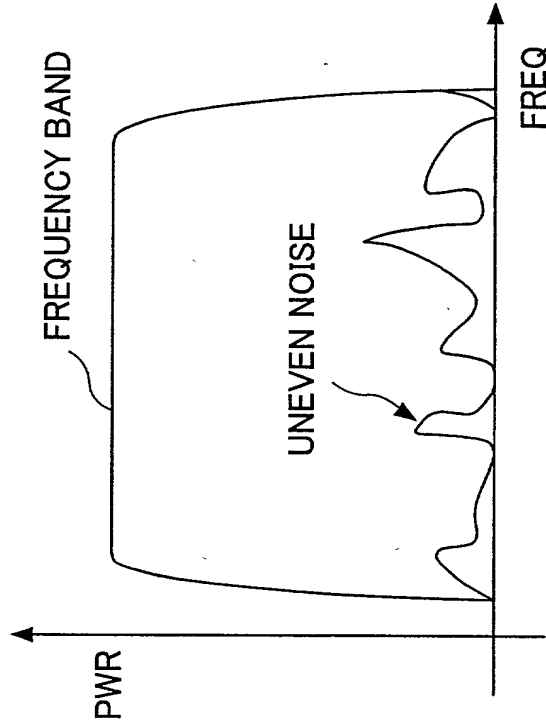


FIG.2B

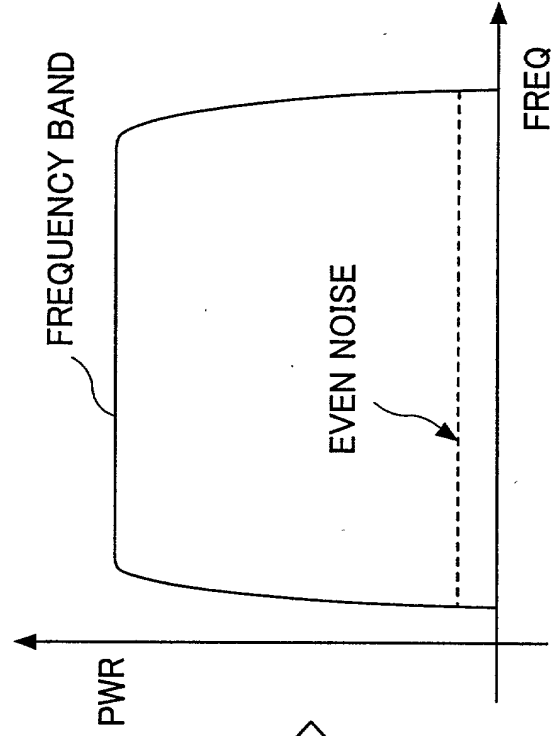


FIG.3

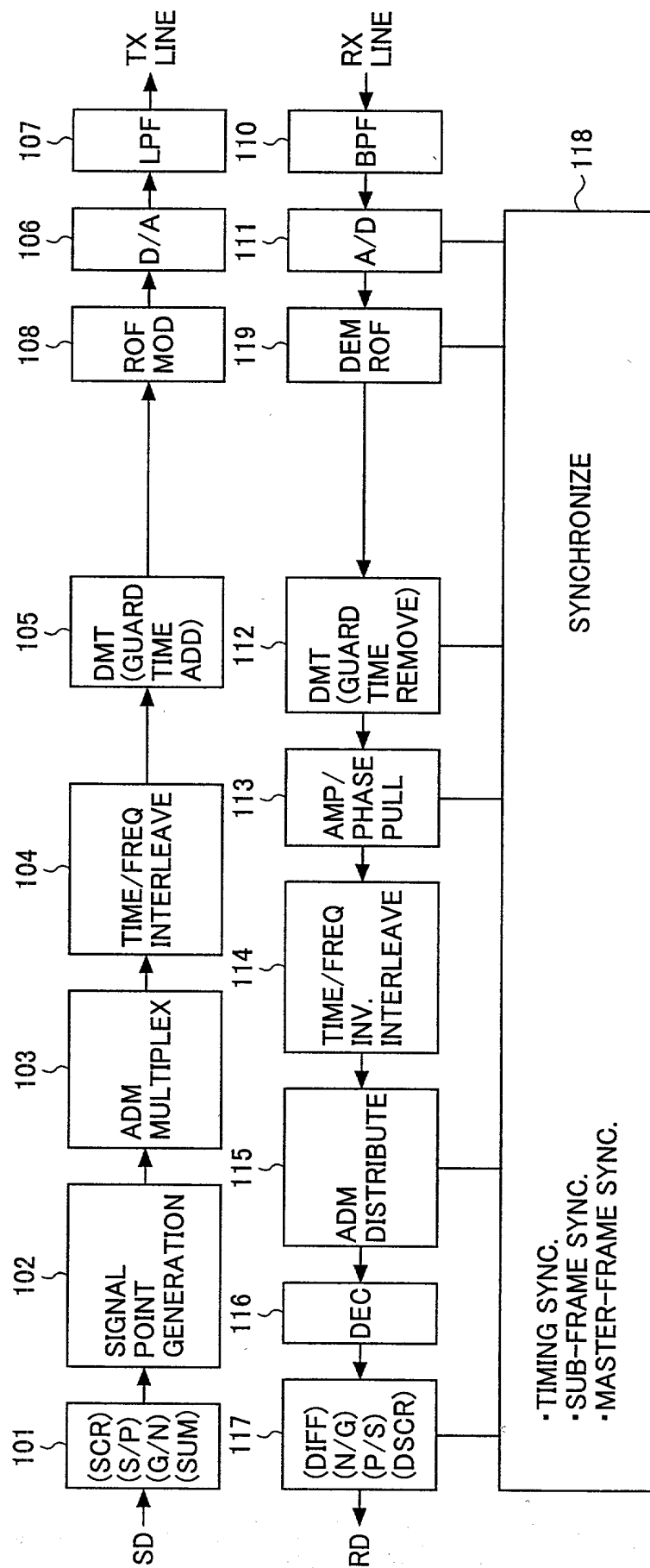


FIG. 4

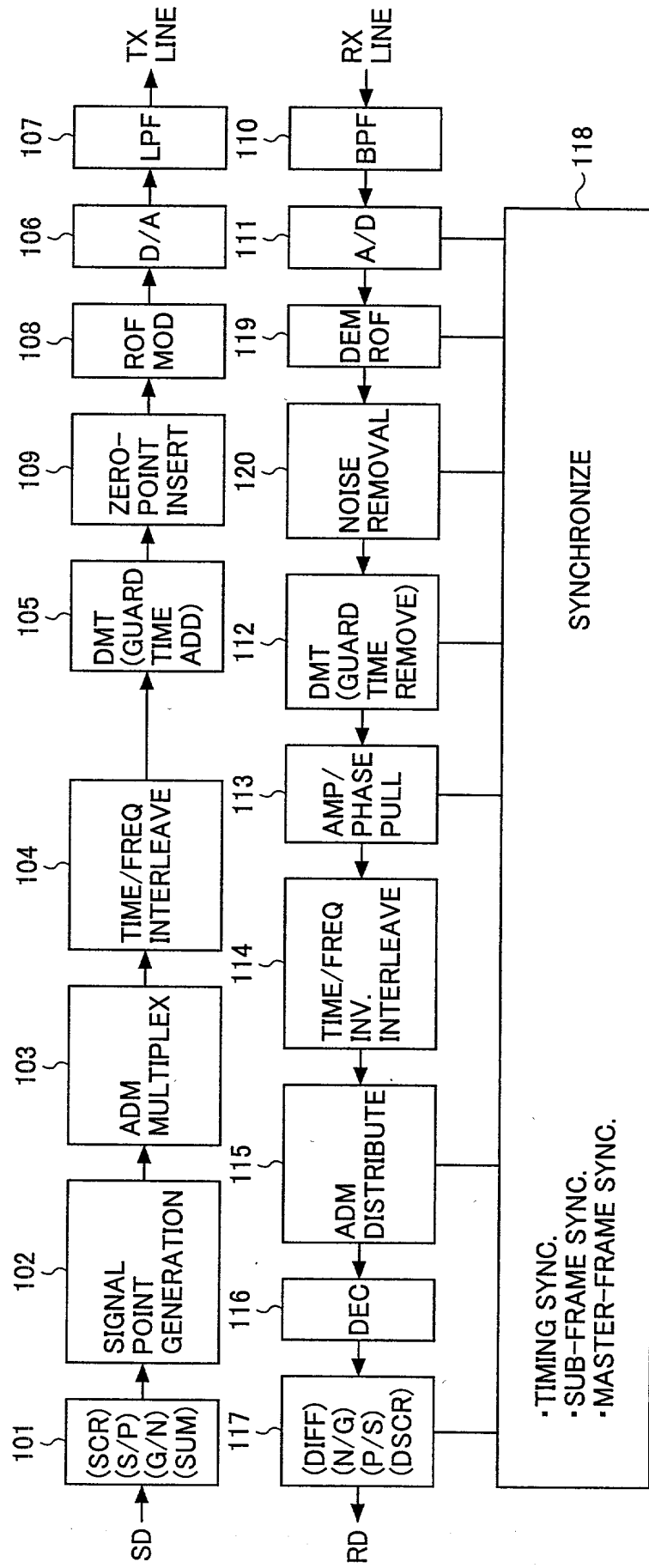
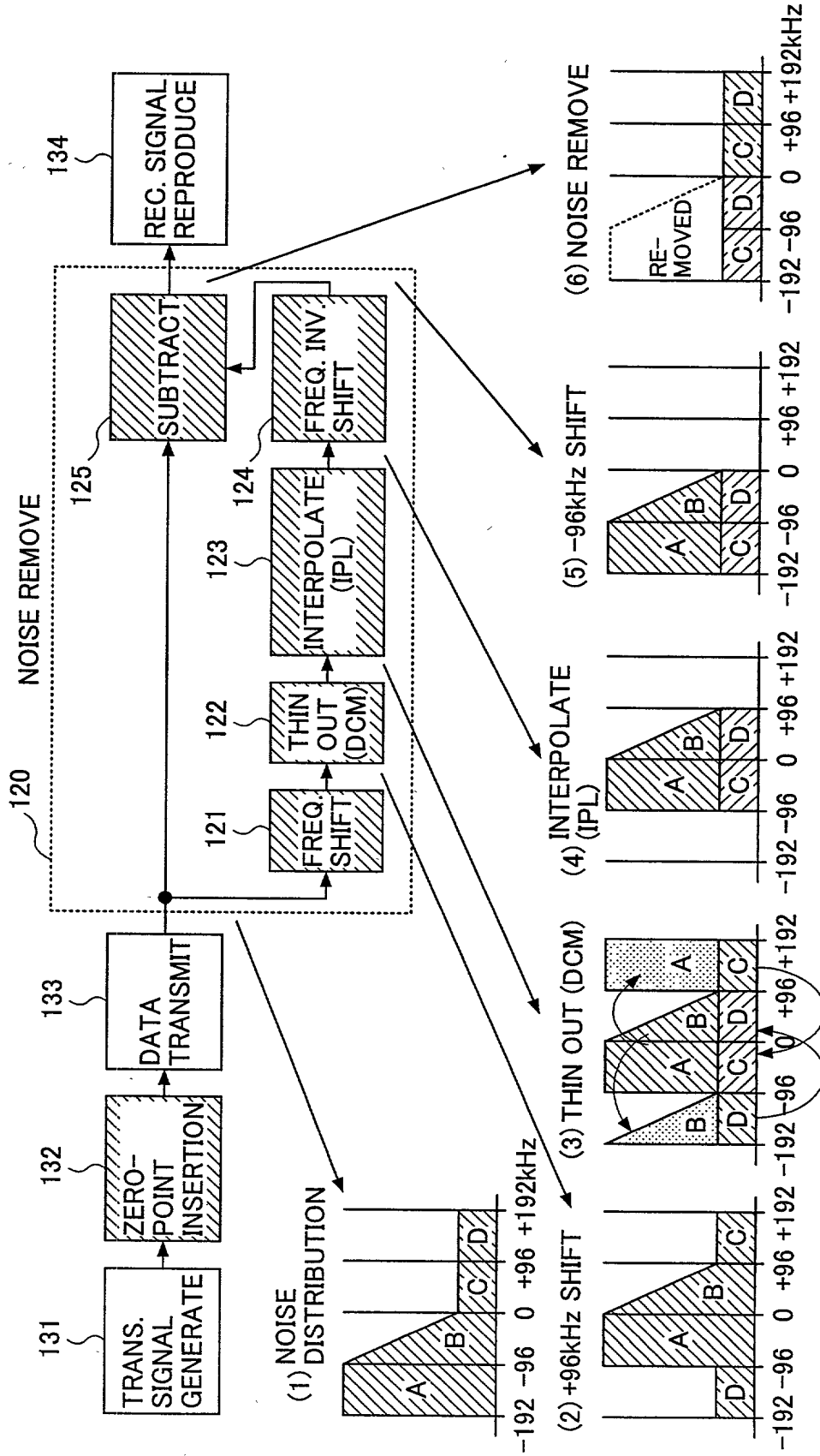


FIG.5



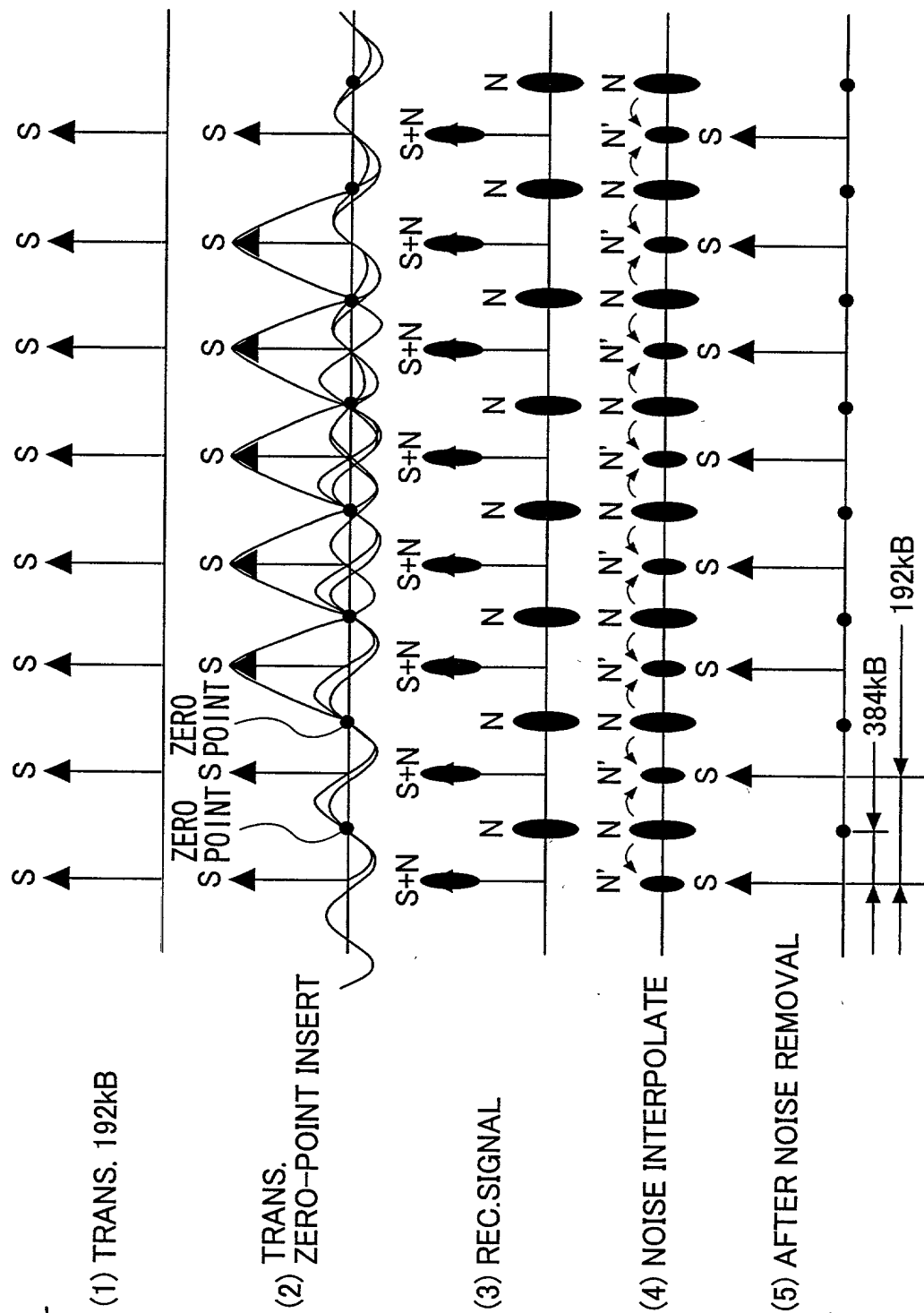
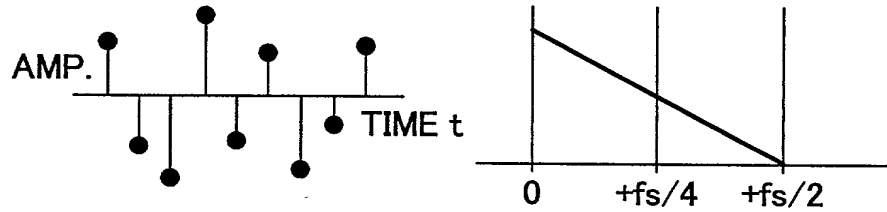


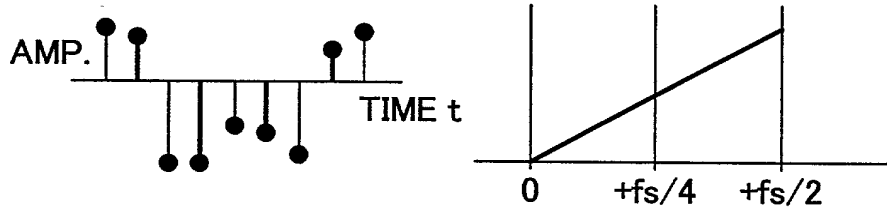
FIG.6

FIG.7

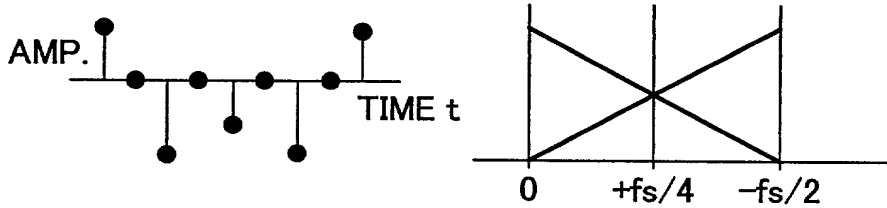
(1) SAMPLED VALUES AND SPECTRUM OF $S(n)$



(2) SAMPLED VALUES AND SPECTRUM OF $(-1)^n S(n)$



(3) SAMPLED VALUES AND SPECTRUM OF $t(n)$



(4) SAMPLED VALUES AND SPECTRUM OF $u(n)$

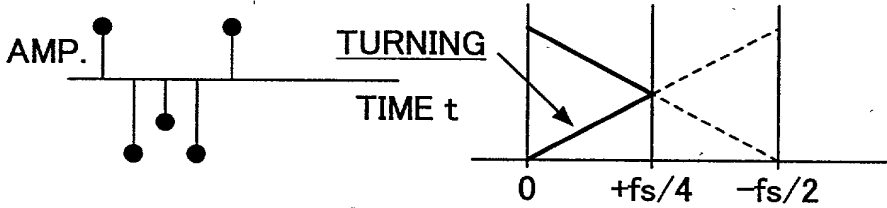
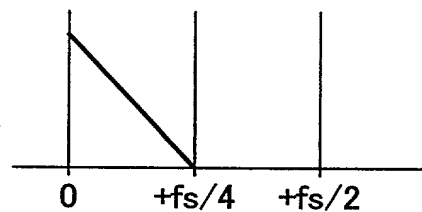
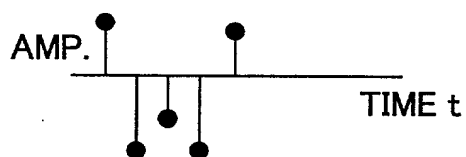


FIG.8

(1) SAMPLED VALUES AND SPECTRUM OF $u(n)$



(2) SAMPLED VALUES AND SPECTRUM OF $t(n)$

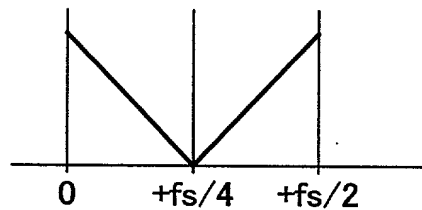
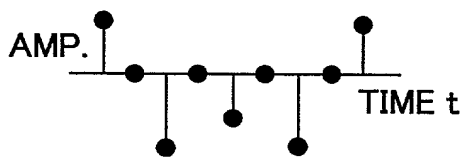


FIG.9

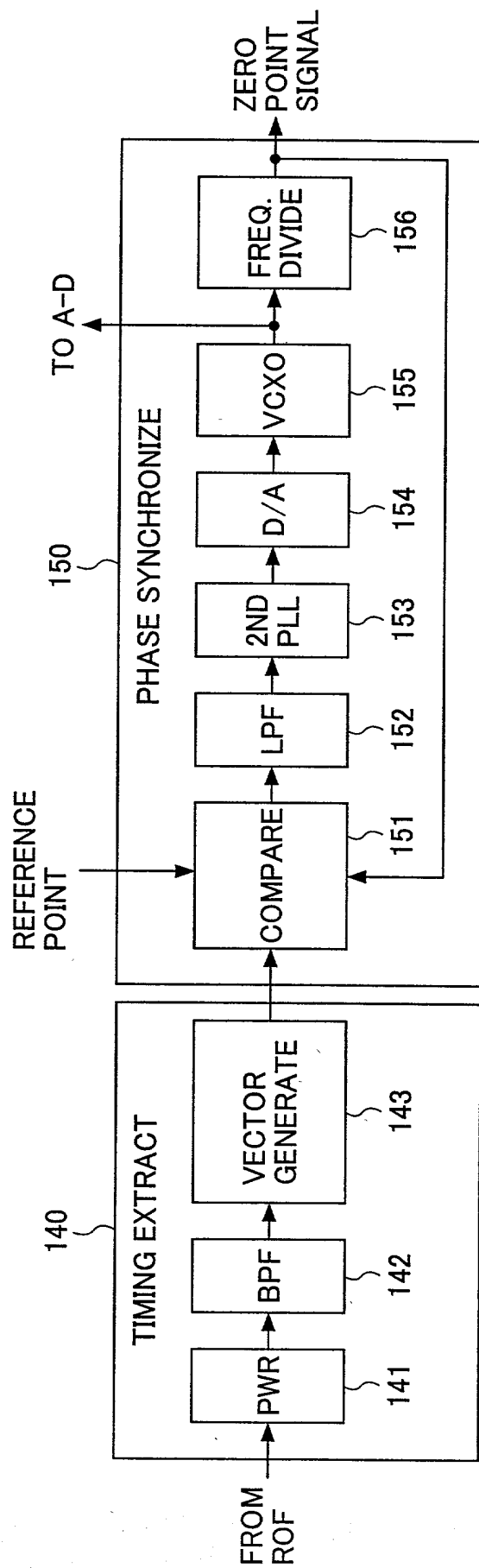


FIG.10

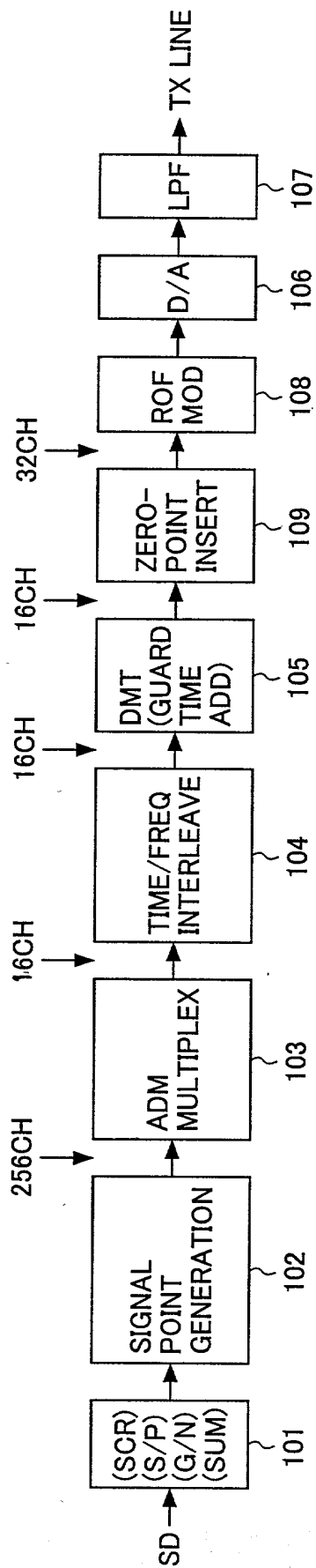


FIG.11

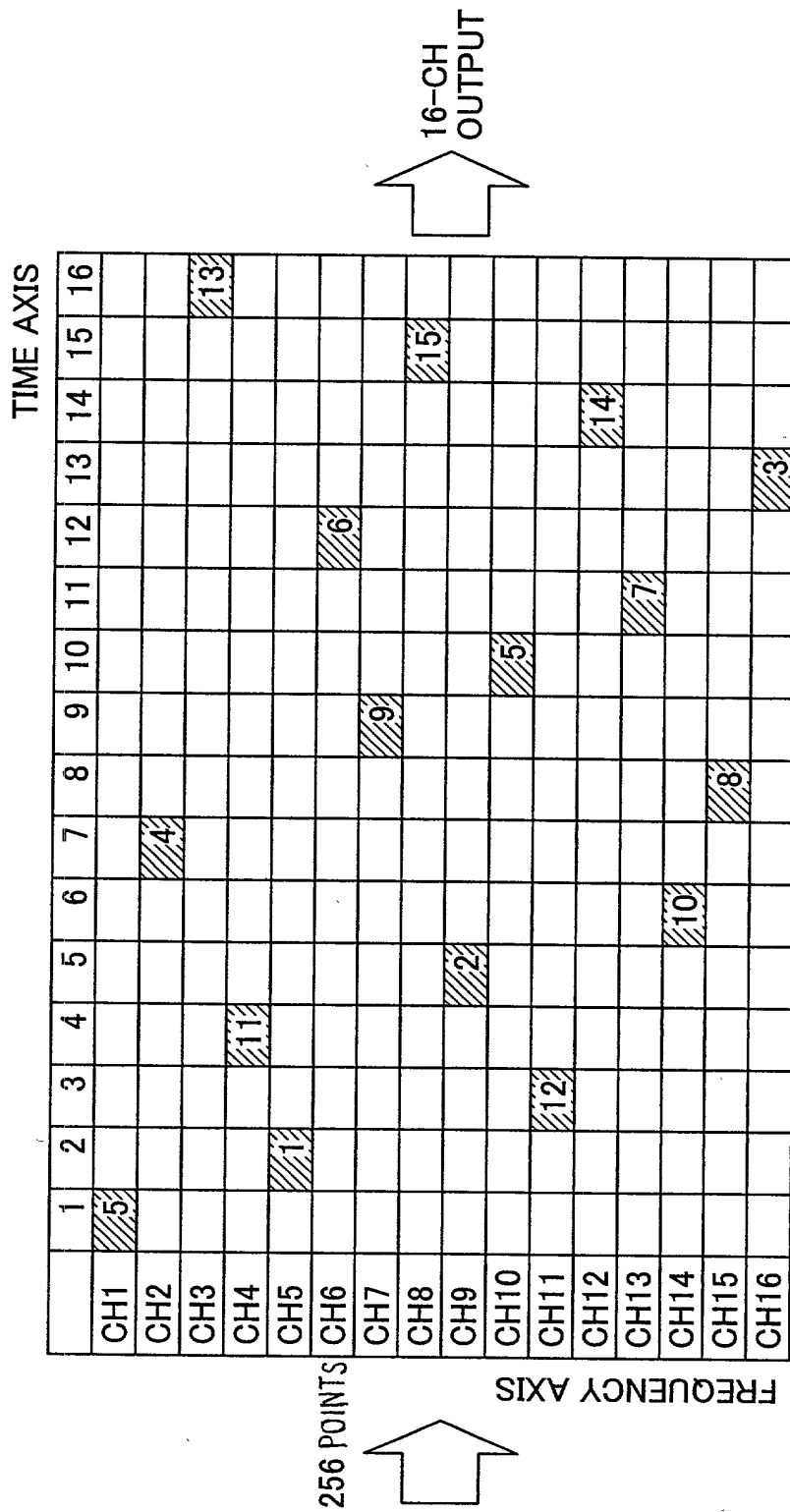
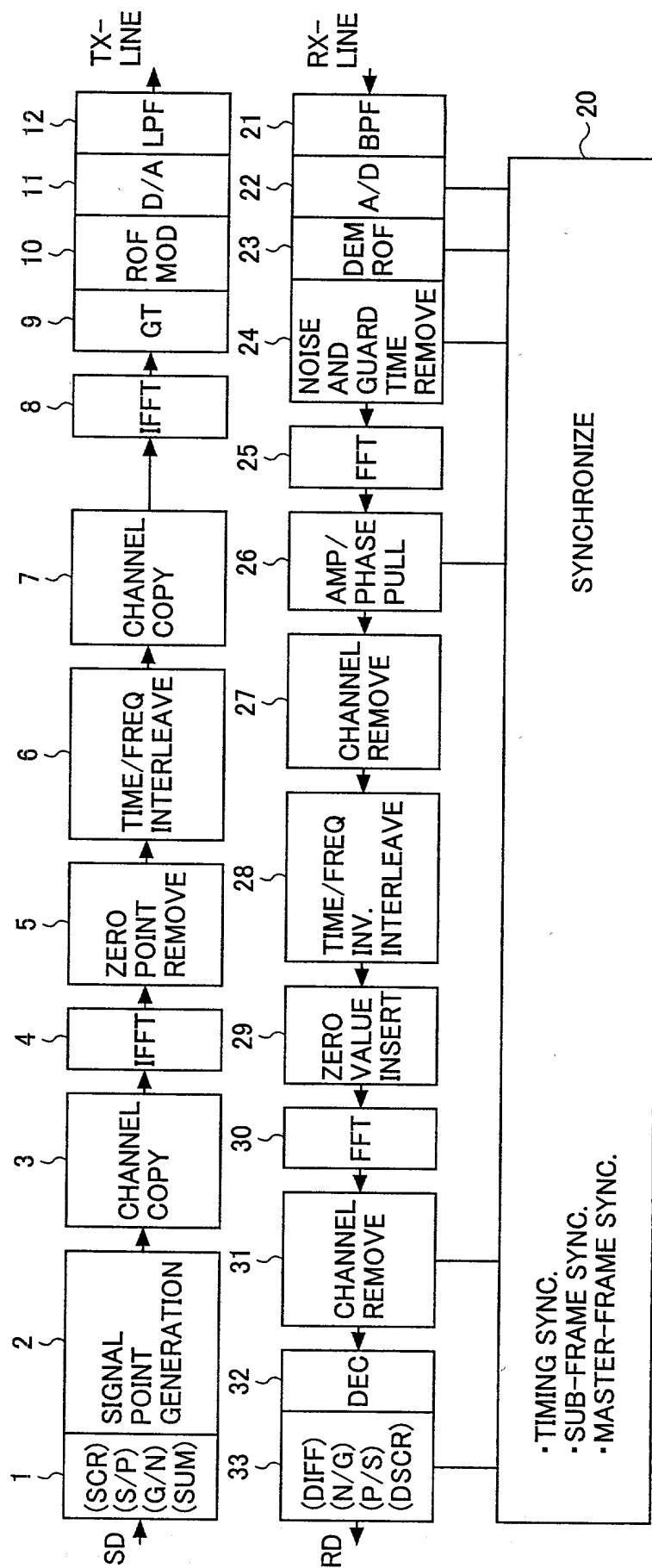


FIG.12



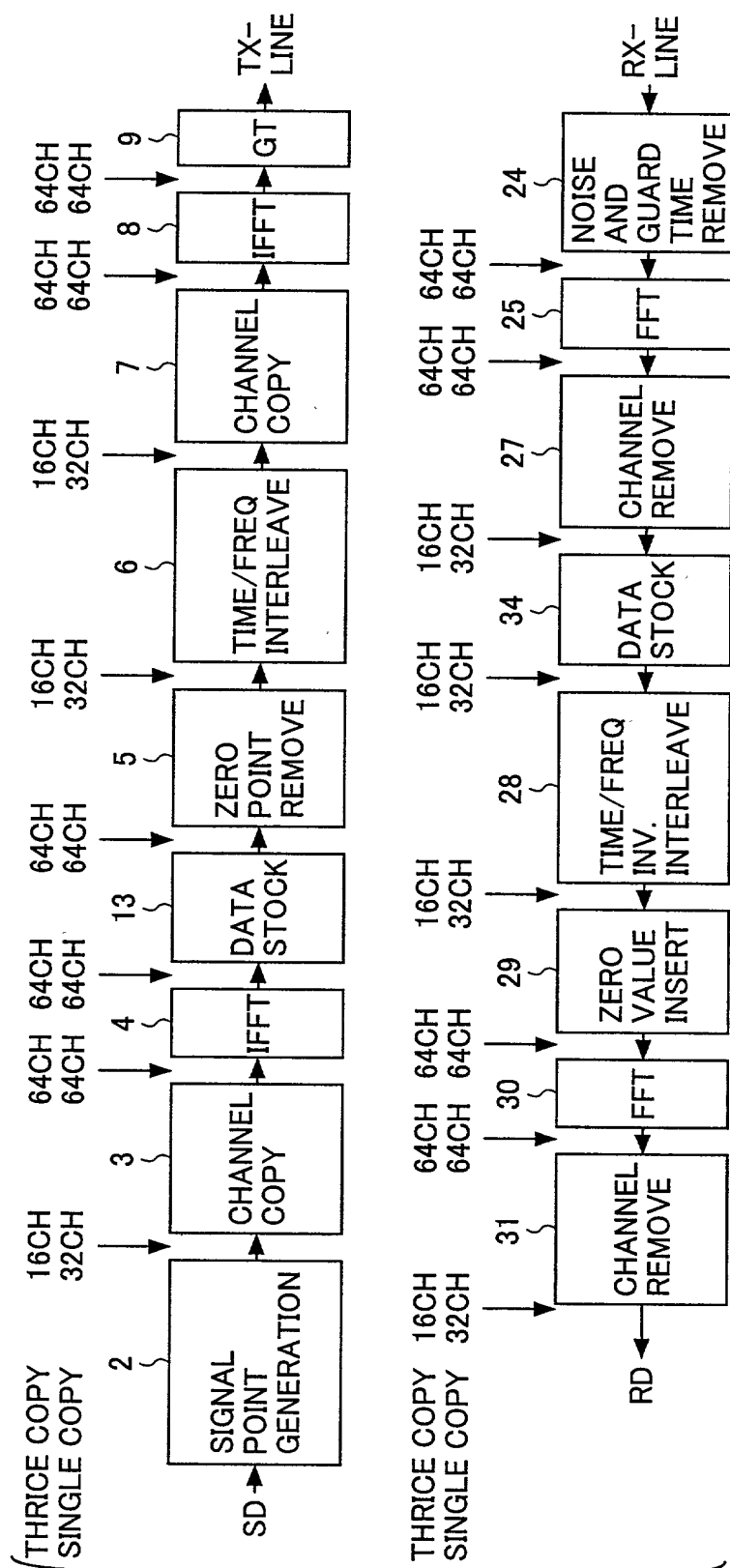


FIG. 13

FIG. 14A

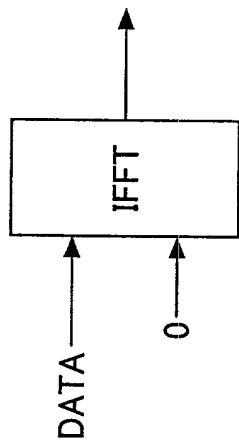


FIG. 14D

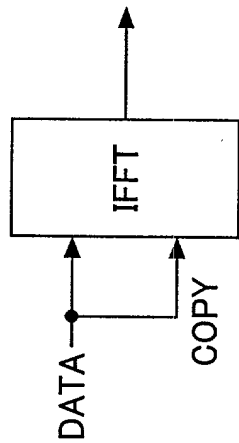


FIG. 14B

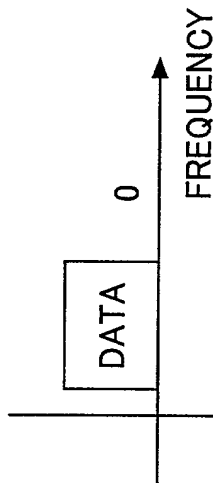


FIG. 14E

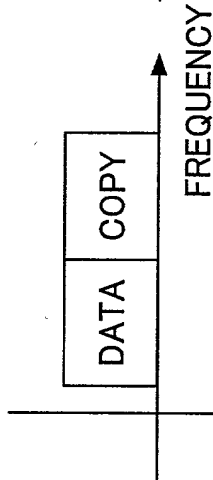


FIG. 14G

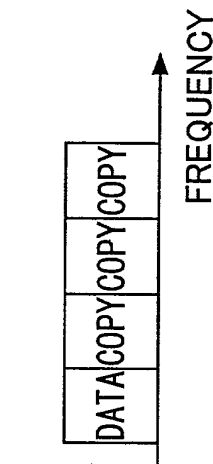
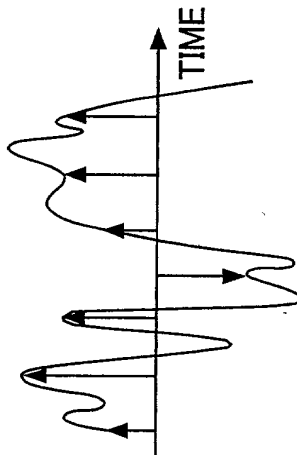
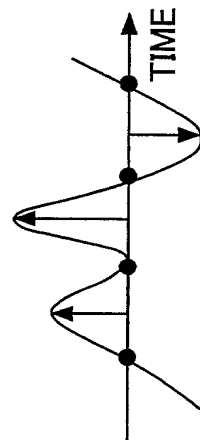


FIG. 14C



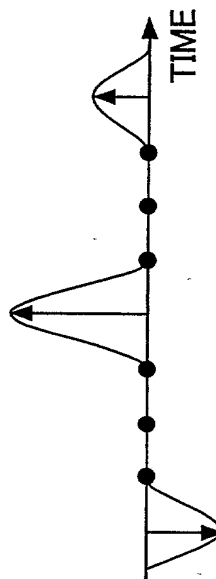
(ZERO INSERTION)

FIG. 14F



(SINGLE COPY)

FIG. 14H



(THRICE COPY)

FIG.17A SIGNAL POINT

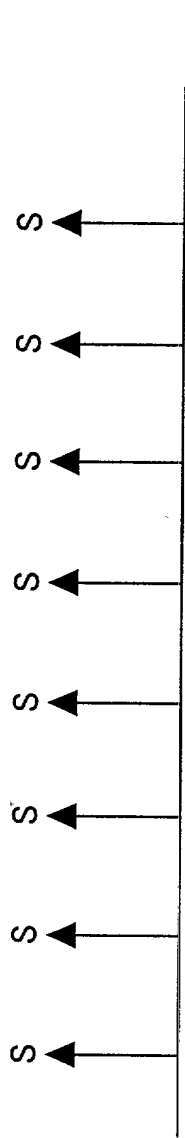


FIG.17B TRANS. SIGNAL

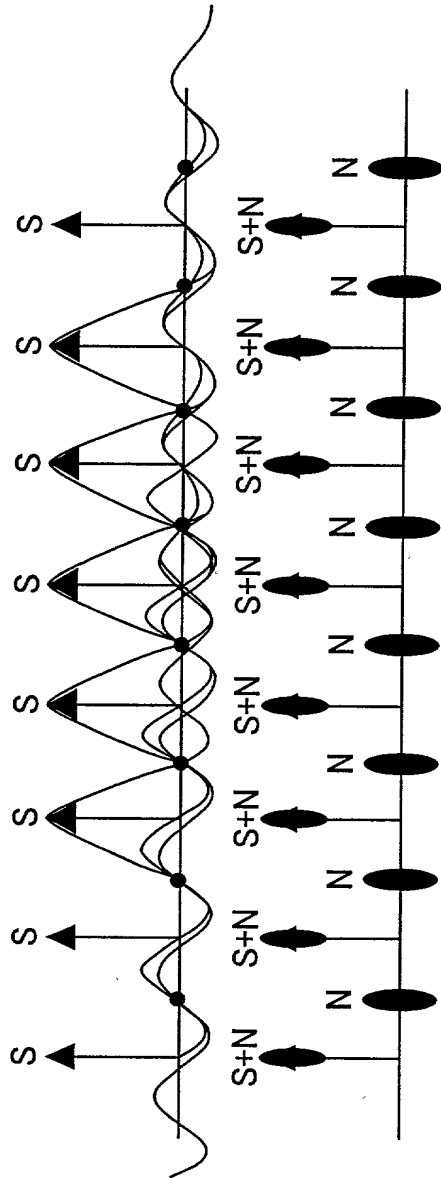


FIG.17C REC.SIGNAL

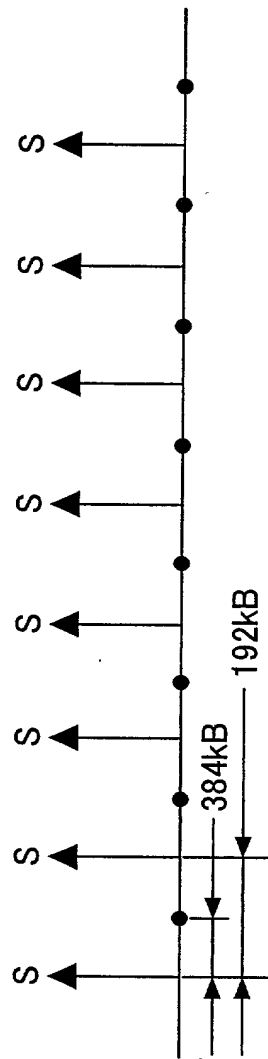


FIG.17D AFTER NOISE REMOVE

FIG.18A

COPY OF TOP 16 SETS OF DATA
(ORIGINAL BAND : 288kHz)

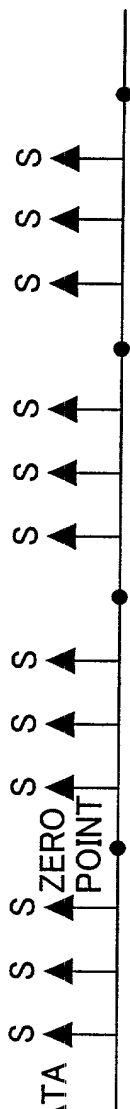


FIG.18B

COPY ONCE
(ORIGINAL BAND : 192kHz)

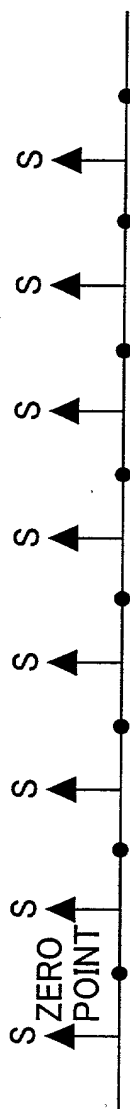


FIG.18C

COPY TWICE
(ORIGINAL BAND : 128kHz)

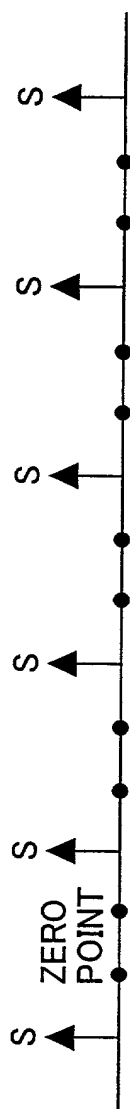


FIG.18D

COPY THRICE
(ORIGINAL BAND : 96kHz)

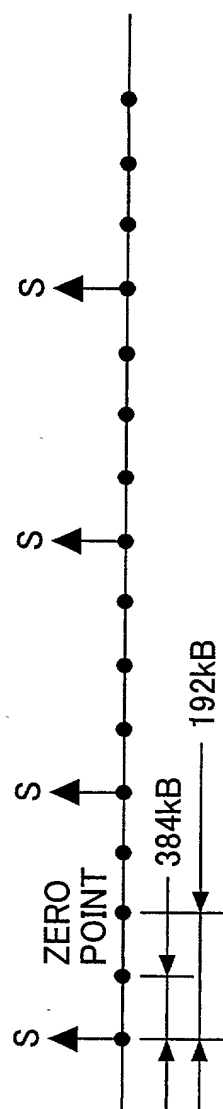


FIG.19A

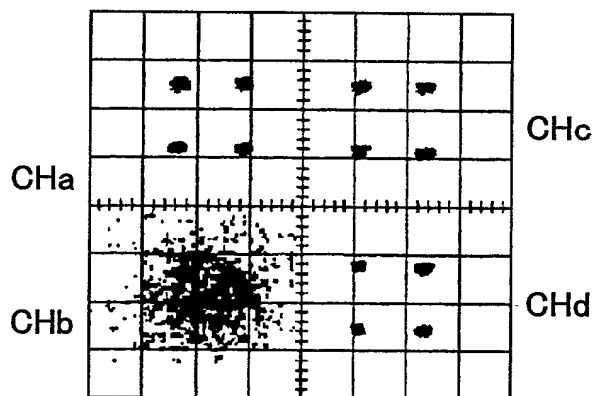


FIG.19B

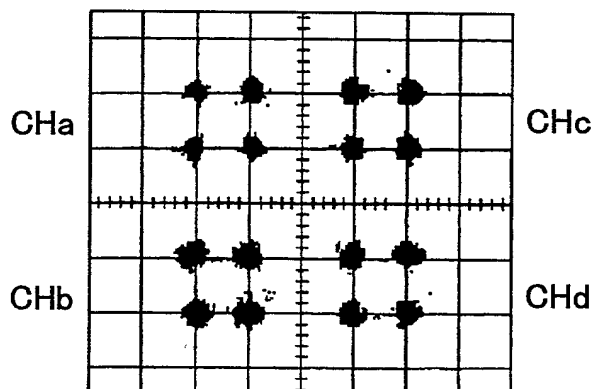


FIG.20

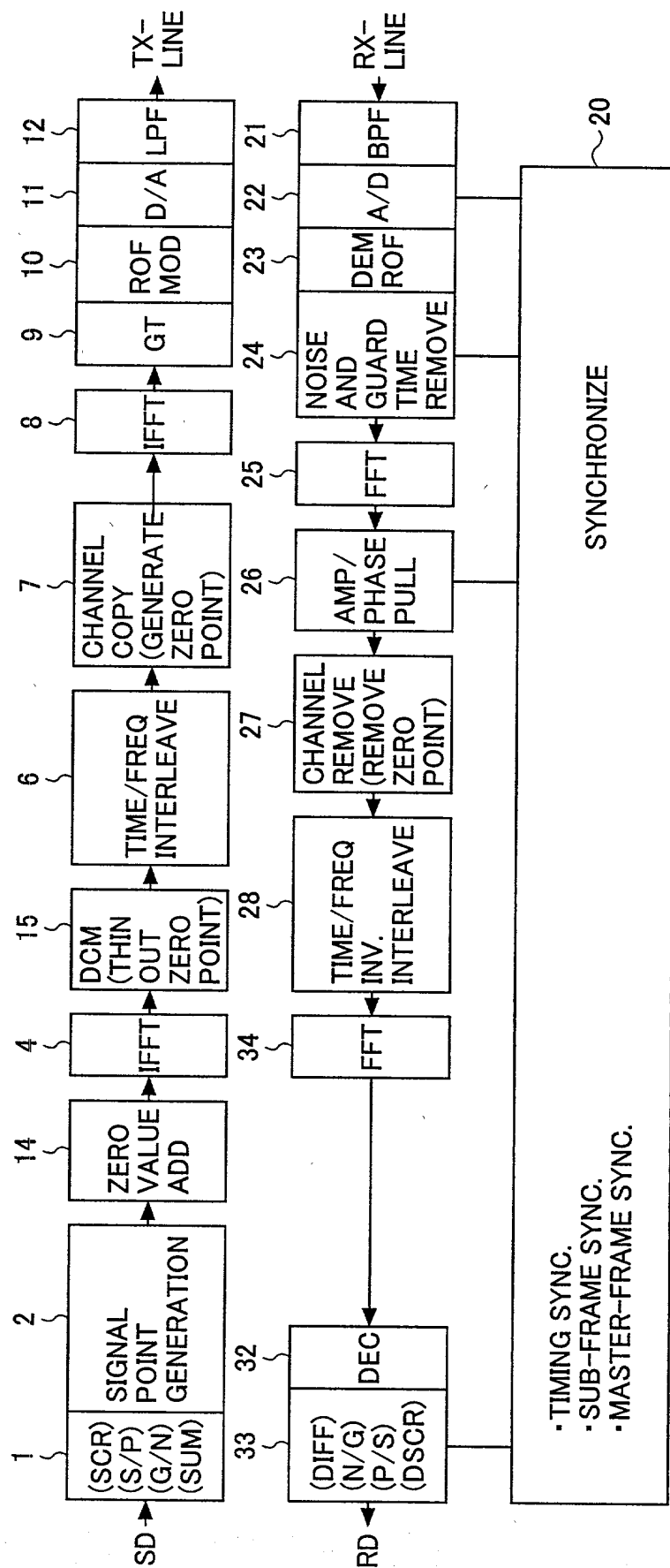


FIG.21

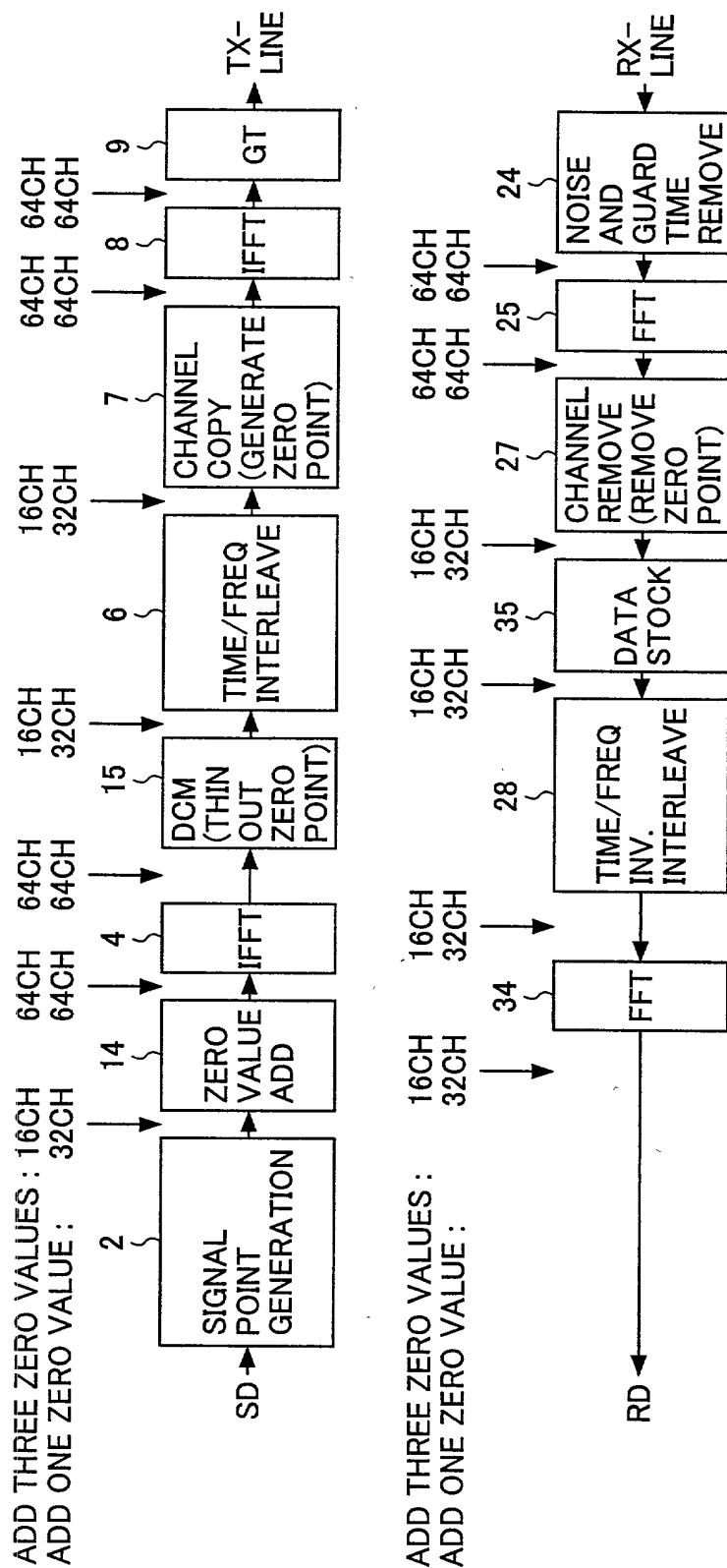


FIG.22

PROBLEM	MODULATION FORM/TYPE					SCHEME
	QAM	DMT	OFDM	SS	INVENTION	
LINK EQUATION	▲	○	○	▲	○	EMPLOY DMT
MULTIPATH	▲	○	○	○	○	EMPLOY DMT
USELESS BAND REMOVAL	○	▲	▲	▲	○	EMPLOY QAM CHANNEL
NOISE FLUCTUATION	○	▲	▲	○	○	EMPLOY TIME-AND- FREQUENCY INTEGRATION